

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM S-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

ITUS CORPORATION

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

6794
(Primary Standard Industrial
Classification Code Number)

11-2622630
(I.R.S. Employer
Identification Number)

3150 Almaden Expressway, Suite 250
San Jose, CA 95118
(408) 708-9808

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Dr. Amit Kumar
President and Chief Executive Officer
ITUS Corporation
3150 Almaden Expressway, Suite 250
San Jose, CA 95118
(408) 708-9808

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Please send a copy of all communications to:

Barry I. Grossman, Esq.
Ellenoff Grossman & Schole LLP
1345 Avenue of the Americas
New York, New York 10105-0302
(212) 370-1300

Approximate date of commencement proposed sale to the public: From time to time after the effective date of this Registration Statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.:

Large accelerated filer

Non-accelerated filer (Do not check if smaller reporting company)

Accelerated filer

Smaller reporting company

Emerging growth company

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities to be Registered (1)	Amount to be Registered (2) (3)	Proposed Maximum Aggregate Offering Price per Security (2) (3)	Proposed Maximum Aggregate Offering Price (2) (3)	Amount of Registration Fee (4)
Common stock, par value \$.01 per share	—	—	—	—
Preferred stock, par value \$100 per share	—	—	—	—
Warrants to purchase common stock, preferred stock or units	—	—	—	—
Units (5)	—	—	—	—
TOTAL	---	—	\$24,000,000	\$2,988.00

(1) Securities registered hereunder may be sold separately, together or as units with other securities registered hereunder.

(2) Not specified as to each class of securities to be registered pursuant to Form S-3 General Instruction II.D.

(3) The Registrant is registering an indeterminate aggregate principal amount and number of securities of each identified class of securities up to a proposed aggregate offering price of \$24,000,000, which may be offered from time to time in unspecified numbers and at indeterminate prices, and as may be issuable upon conversion, redemption, repurchase, exchange, or exercise of any securities registered hereunder, including under any applicable anti-dilution provisions. In addition, pursuant to Rule 416 under the Securities Act of 1933, as amended, the shares being registered hereunder include such indeterminate number of shares of common stock and preferred stock as may be issuable with respect to the shares being registered hereunder as a result of stock splits, stock dividends or similar transactions.

(4) The registration fee is calculated in accordance with Rule 457(o) under the Securities Act of 1933, as amended.

(5) Each Unit consists of any combination of two or more of the securities being registered hereby.

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until this Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. We may not sell the securities until the Registration Statement filed with the Securities and Exchange Commission, of which this prospectus is a part, is effective. This prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED OCTOBER 13, 2017

Prospectus

ITUS CORPORATION

\$24,000,000

COMMON STOCK
PREFERRED STOCK
WARRANTS
UNITS

- common stock;
- preferred stock;
- warrants to purchase our securities offered hereby; or
- units comprised of, or other combinations of, the foregoing securities.

We may offer and sell these securities separately or together, in one or more series or classes and in amounts, at prices and on terms described in one or more offerings. We may offer securities through underwriting syndicates managed or co-managed by one or more underwriters or dealers, through agents or directly to purchasers. The prospectus supplement for each offering of securities will describe in detail the plan of distribution for that offering. For general information about the distribution of securities offered, please see "Plan of Distribution" in this prospectus.

Each time our securities are offered, we will provide a prospectus supplement containing more specific information about the particular offering and attach it to this prospectus. The prospectus supplements may also add, update or change information contained in this prospectus. **This prospectus may not be used to offer or sell securities without a prospectus supplement which includes a description of the method and terms of this offering.**

Our common stock is quoted on the Nasdaq Capital Market under the symbol "ITUS." The last reported sale price of our common stock on The NASDAQ Capital Market on October 12, 2017 was \$3.41 per share. The aggregate market value of our outstanding common stock held by non-affiliates is \$74,088,376 based on 16,558,739 shares of outstanding common stock, of which 14,847,370 shares are held by non-affiliates, and a per share price of \$4.99 which was the closing sale price of our common stock as quoted on the NASDAQ Capital Market on September 26, 2017. During the 12 calendar month period that ends on, and includes, the date of this prospectus, we have offered and sold \$11,998,775 of our securities pursuant to General Instruction I.B.6 of Form S-3.

Concurrently with the securities being offered by us in a primary offering pursuant to this prospectus, an additional 1,487,606 shares of our common stock have been registered in a separate prospectus included in our Registration Statement on Form S-3 (File No. 333-217060) declared effective on April 10, 2017 and 3,272,143 shares of our common stock have been registered in a secondary offering in a separate prospectus included in our Post-Effective Amendment No. 2 to Form S-1 on Form S-3 (File No. 333-193869) declared effective on February 2, 2016.

If we decide to seek a listing of any preferred stock, warrants or units offered by this prospectus, the related prospectus supplement will disclose the exchange or market on which the securities will be listed, if any, or where we have made an application for listing, if any.

Investing in our securities involves certain risks. See "Risk Factors" beginning on page 6 and the risk factors in our most recent Annual Report on Form 10-K, which is incorporated by reference herein, as well as in any other recently filed quarterly or current reports and, if any, in the relevant prospectus supplement. We urge you to carefully read this prospectus and the accompanying prospectus supplement, together with the documents we incorporate by reference, describing the terms of these securities before investing.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this Prospectus is October 13, 2017

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement on Form S-3 that we filed with the Securities and Exchange Commission, or SEC, utilizing a “shelf” registration process. Under this shelf registration process, we may offer and sell, either individually or in combination, in one or more offerings, any of the securities described in this prospectus, for total gross proceeds of up to \$24,000,000. This prospectus provides you with a general description of the securities we may offer. Each time we offer securities under this prospectus, we will provide a prospectus supplement to this prospectus that will contain more specific information about the terms of that offering. We may also authorize one or more free writing prospectuses to be provided to you that may contain material information relating to these offerings. The prospectus supplement and any related free writing prospectus that we may authorize to be provided to you may also add, update or change any of the information contained in this prospectus or in the documents that we have incorporated by reference into this prospectus.

We urge you to read carefully this prospectus, any applicable prospectus supplement and any free writing prospectuses we have authorized for use in connection with a specific offering, together with the information incorporated herein by reference as described under the heading “Incorporation of Documents by Reference,” before investing in any of the securities being offered. You should rely only on the information contained in, or incorporated by reference into, this prospectus and any applicable prospectus supplement, along with the information contained in any free writing prospectuses we have authorized for use in connection with a specific offering. We have not authorized anyone to provide you with different or additional information. This prospectus is an offer to sell only the securities offered hereby, but only under circumstances and in jurisdictions where it is lawful to do so.

The information appearing in this prospectus, any applicable prospectus supplement or any related free writing prospectus is accurate only as of the date on the front of the document and any information we have incorporated by reference is accurate only as of the date of the document incorporated by reference, regardless of the time of delivery of this prospectus, any applicable prospectus supplement or any related free writing prospectus, or any sale of a security.

This prospectus contains summaries of certain provisions contained in some of the documents described herein, but reference is made to the actual documents for complete information. All of the summaries are qualified in their entirety by the actual documents. Copies of some of the documents referred to herein have been filed, will be filed or will be incorporated by reference as exhibits to the registration statement of which this prospectus is a part, and you may obtain copies of those documents as described below under the section entitled “Where You Can Find Additional Information.”

This prospectus contains, or incorporates by reference, trademarks, tradenames, service marks and service names of ITUS Corporation.

CAUTIONARY NOTE REGARDING FORWARD LOOKING STATEMENTS

This prospectus and any accompanying prospectus supplement and the documents incorporated by reference herein may contain forward looking statements that involve risks and uncertainties. All statements other than statements of historical fact contained in this prospectus and any accompanying prospectus supplement and the documents incorporated by reference herein, including statements regarding future events, our future financial performance, business strategy, and plans and objectives of management for future operations, are forward-looking statements. We have attempted to identify forward-looking statements by terminology including “anticipates,” “believes,” “can,” “continue,” “could,” “estimates,” “expects,” “intends,” “may,” “plans,” “potential,” “predicts,” “should,” or “will” or the negative of these terms or other comparable terminology. Although we do not make forward looking statements unless we believe we have a reasonable basis for doing so, we cannot guarantee their accuracy. These statements are only predictions and involve known and unknown risks, uncertainties and other factors, including the risks outlined under “Risk Factors” or elsewhere in this prospectus and the documents incorporated by reference herein, which may cause our or our industry’s actual results, levels of activity, performance or achievements expressed or implied by these forward-looking statements. Moreover, we operate in a highly regulated, very competitive, and rapidly changing environment. New risks emerge from time to time and it is not possible for us to predict all risk factors, nor can we address the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause our actual results to differ materially from those contained in any forward-looking statements.

We have based these forward-looking statements largely on our current expectations and projections about future events and financial trends that we believe may affect our financial condition, results of operations, business strategy, short term and long term business operations, and financial needs. These forward-looking statements are subject to certain risks and uncertainties that could cause our actual results to differ materially from those reflected in the forward looking statements. Factors that could cause or contribute to such differences include, but are not limited to, those discussed in this prospectus, and in particular, the risks discussed below and under the heading “Risk Factors” and those discussed in other documents we file with the SEC. The following discussion should be read in conjunction with the consolidated financial statements for the fiscal years ended October 31, 2016 and 2015 and notes incorporated by reference herein. We undertake no obligation to revise or publicly release the results of any revision to these forward-looking statements, except as required by law. In light of these risks, uncertainties and assumptions, the forward-looking events and circumstances discussed in this prospectus may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statement.

You should not place undue reliance on any forward-looking statement, each of which applies only as of the date of this prospectus. Except as required by law, we undertake no obligation to update or revise publicly any of the forward-looking statements after the date of this prospectus to conform our statements to actual results or changed expectations.

Any forward-looking statement you read in this prospectus, any prospectus supplement or any document incorporated by reference reflects our current views with respect to future events and is subject to these and other risks, uncertainties and assumptions relating to our operations, operating results, growth strategy and liquidity. You should not place undue reliance on these forward-looking statements because such statements speak only as to the date when made. We assume no obligation to publicly update or revise these forward-looking statements for any reason, or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future, except as otherwise required by applicable law. You are advised, however, to consult any further disclosures we make on related subjects in our reports on Forms 10-Q, 8-K and 10-K filed with the SEC. You should understand that it is not possible to predict or identify all risk factors. Consequently, you should not consider any such list to be a complete set of all potential risks or uncertainties.

PROSPECTUS SUMMARY

This summary highlights selected information contained elsewhere in this prospectus. This summary does not contain all the information that you should consider before investing in our Company. You should carefully read the entire prospectus, including all documents incorporated by reference herein. In particular, attention should be directed to our "Risk Factors," "Information With Respect to the Company," "Management's Discussion and Analysis of Financial Condition and Results of Operations" and the financial statements and related notes thereto contained herein or otherwise incorporated by reference hereto, before making an investment decision.

As used herein, and any amendment or supplement hereto, unless otherwise indicated, "we," "us," "our," the "Company," or "ITUS" means ITUS Corporation and its wholly-owned subsidiaries. Unless otherwise indicated, all references in this prospectus to "dollars" or "\$" refer to US dollars.

Business Overview

ITUS Corporation, through its wholly owned subsidiary, Anixa Diagnostics Corporation, or Anixa, is using the power of the immune system to diagnose cancer. CchekTM, our early cancer detection blood test, monitors certain subtle changes that occur in the immune system throughout early tumor formation and tumor growth. We hope that Cchek will one day become part of the standard blood work ordered for patients during routine doctor visits.

Cancer survival data from the past 50 years indicates that the earlier cancer is diagnosed, the higher the likelihood of survival. For many cancers, such as breast cancer and prostate cancer, early diagnoses (e.g., at stage 1 or stage 2) often result in cancer survival rates of between 90% and 100%, while later diagnoses (e.g., at stage 3 or stage 4) often result in survival rates of less than 30%. While much of the focus and research dollars have been spent trying to cure advanced cancers, the cancer survival data indicates that technologies which can find cancer early have the potential to have an enormous impact on increasing cancer survival rates and reducing cancer mortalities. For those cancers for which we currently have cancer detection technologies, we believe existing diagnostics are outdated, yielding results that are often inaccurate and unreliable for the doctor and invasive and expensive for the patient. For many other cancers, there are no effective means of early cancer detection.

Although early in its development, the efficacy of Cchek has already been demonstrated with 15 cancer types, including lung cancer, breast cancer, colon cancer, prostate cancer, pancreatic cancer, ovarian cancer, liver cancer, thyroid cancer and seven other cancers. When tested using blood samples from biopsy verified cancer patients and blood samples from healthy patients, Cchek has demonstrated a high degree of accuracy in detecting early and late stage cancers, and a high degree of reliability in distinguishing the blood of cancer patients from healthy patients. While many of the newest immunotherapy drugs are attempting to modify or enhance the power of the immune system to treat advanced cancers, we are relying on certain types of immune cells to diagnose cancer. Through the use of proprietary methodologies and protocols for identifying and monitoring these cells, including the use of artificial intelligence to interpret results, we believe that it will be possible to diagnose the presence of many types of cancer early with a relatively simple, inexpensive blood test.

Over the next nine to 12 months, we intend to undertake several important steps that are necessary to continue the development of Cchek and continue to prepare the technology for the regulatory approval process. We plan to accumulate and process a greater number of cancer blood samples and normal blood samples, to be tested under consistent conditions and with the same protocols. We also intend to test benign conditions such as non-cancerous illness and inflammation that could cause an immune response to determine whether we can successfully distinguish benign conditions from cancer. We expect to continue the development of our neural network and our use of artificial intelligence to determine whether it is capable of distinguishing one type of cancer from another. Further, we intend to select a specific cancer on which to focus. Finally, we aim to standardize our processes and procedures for Cchek and test and simulate a variety of varying conditions that may occur with the widespread distribution of a diagnostic test to determine the effects that such conditions may have on test results following commercialization.

We were incorporated in November 1982 under the laws of the State of Delaware. From inception through October 2012, our primary operations involved the development of patented technologies in the areas of thin-film displays and encryption. Beginning in October 2012, under the leadership of a new management team, we recapitalized our company, changed our corporate name and trading symbol, relocated our headquarters and modernized our computer systems. In July 2015, our shares of common stock began trading on NASDAQ.

In June 2015, we announced the formation of a new subsidiary, Anixa, to develop our Ccheck platform for non-invasive blood tests for the early detection of cancer. In July 2015, we announced a collaborative research agreement with The Wistar Institute, or Wistar, the nation's first independent biomedical research institute and a National Cancer Institute designated cancer research center, for the purpose of validating our cancer detection methodologies and establishing protocols for identifying certain biomarkers in the blood which we identified and which are known to be associated with malignancies. In August 2016 and again in July 2017, we announced the renewal and expansion of our relationship with Wistar.

In October 2015, we and Wistar announced favorable results from initial testing of a small group of breast cancer patients and healthy controls. One hundred percent of the blood samples tested from patients with varying stages of breast cancer showed the presence of the biomarkers we identified, and none of the healthy patient blood samples contained the biomarkers. Breast cancer is the second most common cancer in the United States and throughout the world.

In April 2016, we announced that we had demonstrated the efficacy of our Cchek early cancer detection platform with lung cancer. Lung cancer is the leading cause of death among cancers in the United States and throughout the world, accounting for approximately 27% of all cancer related deaths in the United States and 19% worldwide. In September 2016, we announced that we had demonstrated the efficacy of our Cchek early cancer detection platform with colon cancer. Colon cancer is the third most common cancer in men and the second most common cancer in women worldwide, with approximately 1.4 million new cases diagnosed each year, and approximately 700,000 deaths. At the end of September 2016 through the end of October 2016, we made similar announcements with respect to the efficacy of our Cchek early cancer detection platform for melanoma, ovarian cancer, liver cancer, thyroid cancer and pancreatic cancer. In November 2016, we announced that we had demonstrated the efficacy of our Cchek early cancer detection platform with six additional cancer types including appendiceal cancer (cancer of the appendix), uterine cancer, osteosarcoma (cancer of the bone), leiomyosarcoma (cancer of the soft tissue), liposarcoma (cancer of the connective tissue), and vulvar cancer (cancer of the vulva). In January 2017, we announced that we had demonstrated the efficacy of our Cchek early cancer detection platform with prostate cancer, bringing the number of cancer types for which the efficacy of Cchek has been validated to 15 through that date.

Our Cchek cancer detection platform measures a patient's immune response to a malignancy by detecting the presence, absence and quantity of certain immune cells that exist in and around a tumor and that enter the blood stream. These types of cells and the tumor microenvironment have been the focus of recent groundbreaking published and reported research in immune-oncology, enabling the development of novel immunotherapies used for treating certain cancer types. Instead of seeking to alter or boost the body's immune system and its ability to destroy cancer cells, as is the case with immunotherapy drugs, we have developed proprietary techniques and protocols for measuring the subtle immunological changes that occur in the blood stream during tumor development. Specifically, we seek to identify a subset of myeloid cells that we believe are diagnostic. These cells, often referred to as Myeloid Derived Suppressor Cells (MDSCs), are identified by specific surface proteins enabling characterization. We generally refer to MDSCs and other cells of the immune system that we believe can be diagnostic in nature as biomarkers. Through our proprietary protocols, we have had early success and have demonstrated accuracy in detecting these biomarkers in the peripheral blood of biopsy verified cancer patients, and in distinguishing the blood of healthy patients from the blood of cancer patients. Our goal is to establish Cchek as a non-invasive, inexpensive, cancer diagnostic blood test that can reduce or eliminate the need for traditionally expensive, invasive, painful and often inaccurate cancer diagnostic procedures which are currently in use.

In each instance where we have demonstrated the efficacy of our cancer detection platform, fresh (utilized within 48 hours) blood samples from biopsy verified cancer patients have been tested at Wistar using a variety of experimental methodologies and protocols. Such unblinded, non-uniform testing is common during the initial development stage of new technologies and diagnostic tests. Blood samples from patients with differing severities of cancers (with some cancers such as breast cancer stage 0 to stage 4) have been tested, including samples from both pre-treatment and post-treatment patients. In addition, Wistar has also tested blood from healthy donors. A critical aspect of any cancer diagnostic is the ability to accurately distinguish patients with cancer from healthy patients. To date, we have analyzed blood samples from roughly 300 cancer patients and 150 healthy donors, across multiple cancer types, and have shown 90% and greater sensitivity and specificity in multiple sample sets.

Based upon our early results, our scientists are working with Wistar to finalize protocols and methodologies for identifying and classifying the immunologic biomarkers that are the foundation for our Cchek early cancer detection platform. Although our scientists, working in collaboration with Wistar, will continue to improve our processes and methodologies to achieve maximum performance, we expect our testing to become more uniform over time and to eventually test patient samples in a double-blinded manner. While studies comparing biopsy verified cancer patients have been compared to healthy donors, we have not yet evaluated benign conditions such as non-malignant neoplasias, systemic inflammatory conditions, infections and other potential conditions that impact or may impact the immune system. Such testing will be necessary for regulatory approval.

Based upon and following the results of a more extensive clinical study, we intend to determine what further studies are necessary and whether and when to begin the process of seeking regulatory approval for a cancer screening test or confirmatory diagnostic test based upon our Cchek technology. One manner of seeking regulatory approval is to have a lab certified to run our cancer tests pursuant to the Clinical Laboratory Improvement Act of 1967 and the Clinical Laboratory Improvement Amendments of 1988, together referred to as CLIA. Among other requirements, CLIA requires clinical laboratories that perform diagnostic testing to be certified by the state in which the lab is located, as well as the Center for Medicare and Medicaid Services. If we seek regulatory approval pursuant to CLIA, only those laboratories that are certified under CLIA to run our diagnostic test would be able to process test samples. CLIA certification may or may not require additional studies. We may seek to establish our own CLIA certified laboratory to run the diagnostic tests, or we may potentially contract with an existing CLIA certified lab, and seek to have that laboratory certified to run our diagnostic test.

Another manner of obtaining regulatory approval would be to seek to have Cchek approved by the Food and Drug Administration, or FDA, pursuant to what are commonly referred to as either the 510(K) process or the Premarket Application, or PMA, process. The appropriate pathway for FDA approval would depend upon a variety of factors including the intended use of the test and the risks associated with such use. FDA approval can take several years and would entail additional clinical studies.

We currently anticipate following the FDA approval pathway, however, our decision as to whether and when to seek CLIA certification or FDA approval of a diagnostic test or tests utilizing our Cchek technology will be dependent on a variety of factors including the results from more extensive clinical studies, the capital requirements of each approval process, the landscape for competitive diagnostic testing and the time and resources required by each approval process. It is possible that we may seek to have one or more diagnostic tests approved via CLIA certification, and other diagnostic test or tests approved by the FDA, or that we may seek simultaneous FDA approval and CLIA certification of a particular diagnostic test or tests.

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We anticipate the initial market focus of Cchek will be in confirmatory, or pre-biopsy, testing. With a US market of roughly 12 million biopsies annually and a high rate of negative biopsy results, we believe that positioning Cchek as a pre-biopsy test will reduce the number of unnecessary biopsies, thus improving patient outcomes and reducing healthcare costs.

During the balance of 2017, we expect Cchek to be the primary focus of our Company. As part of our legacy operations, we remain engaged in limited patent licensing activities in the area of encrypted audio/video conference calling. We do not expect these activities to be a significant part of our ongoing operations.

Over the past several fiscal quarters, our revenue has been derived from technology licensing and the sale of patented technologies, including in connection with the settlement of litigation. In addition to our Anixa subsidiary, we may make investments in and form new companies to develop additional emerging technologies.

Recent Developments

On May 9, 2017, we announced that we had extended our collaboration with Virtua Healthcare System (“Virtua”). Pursuant to the extension, Virtua will continue to provide patient samples for our ongoing cancer study through May of 2018. In addition to Virtua, we have agreements in place for obtaining patient samples from several partners, including MD Anderson Cancer Network, University of Pennsylvania Abramson Cancer Center, Delaware Valley Urology and others.

Additionally, on September 18, 2017, we announced that the United States Patent and Trademark Office had issued U.S. Patent 9,739,783 related to our cancer detection technology.

Further, on September 21, 2017, we announced that we had begun working with multiple collaborators demonstrating the utility of our technology for not only cancer detection but also monitoring therapy and evaluating patient response to immuno-oncology drugs. We also announced that we are planning to expand beyond diagnostics and had entered into an exclusive option agreement until November 14, 2017 with Wistar to license intellectual property covering a proprietary Chimeric Antigen Receptor T-Cell (CAR-T) technology. This CAR-T technology focuses initially on Ovarian Cancer with potential future applications in Prostate, Pancreatic and other cancers as well.

Corporate Information

Our principal executive offices are located at 3150 Almaden Expressway, Suite 250, San Jose, CA 95118, our telephone number is (408) 708-9808, and our Internet website address is <http://www.ITUScorp.com>. The information on our website is not a part of, or incorporated in, this prospectus supplement.

RISK FACTORS

Investing in our securities involves a high degree of risk. Before deciding whether to invest in our securities, you should carefully consider the risk factors we describe in any prospectus supplement and in any related free writing prospectus for a specific offering of securities, as well as those incorporated by reference into this prospectus or such prospectus supplement. You should also carefully consider other information contained and incorporated by reference in this prospectus and any applicable prospectus supplement, including our financial statements and the related notes thereto incorporated by reference in this prospectus. The risks and uncertainties described in the applicable prospectus supplement and our other filings with the SEC incorporated by reference herein are not the only ones we face. Additional risks and uncertainties not presently known to us or that we currently consider immaterial may also adversely affect us. If any of the described risks occur, our business, financial condition or results of operations could be materially harmed. In such case, the value of our securities could decline and you may lose all or part of your investment.

USE OF PROCEEDS

Unless otherwise indicated in a prospectus supplement, we intend to use the net proceeds from these sales for general corporate purposes, which includes, without limitation, ongoing clinical work, the development of new cancer related technologies, investing in or acquiring companies that are synergistic with or complimentary to our technologies, licensing activities related to our current and future product candidates and working capital, the development of emerging technologies, investing in or acquiring companies that are developing emerging technologies, licensing activities, or the acquisition of other businesses. The amounts and timing of these expenditures will depend on numerous factors, including the development of our current business initiatives.

PLAN OF DISTRIBUTION

We may sell the securities from time to time to or through underwriters or dealers, through agents, or directly to one or more purchasers. A distribution of the securities offered by this prospectus may also be effected through the issuance of warrants. In addition, the manner in which we may sell some or all of the securities covered by this prospectus includes, without limitation, through:

- a block trade in which a broker-dealer will attempt to sell as agent, but may position or resell a portion of the block, as principal, in order to facilitate the transaction;
- purchases by a broker-dealer, as principal, and resale by the broker-dealer for its account; or
- ordinary brokerage transactions and transactions in which a broker solicits purchasers.

A prospectus supplement or supplements with respect to each series of securities will describe the terms of the offering, including, to the extent applicable:

- the terms of the offering;
- the name or names of the underwriters or agents and the amounts of securities underwritten or purchased by each of them, if any;
- the public offering price or purchase price of the securities or other consideration therefor, and the proceeds to be received by us from the sale;
- any delayed delivery requirements;
- any over-allotment options under which underwriters may purchase additional securities from us;
- any underwriting discounts or agency fees and other items constituting underwriters' or agents' compensation
- any discounts or concessions allowed or re-allowed or paid to dealers; and
- any securities exchange or market on which the securities may be listed.

The offer and sale of the securities described in this prospectus by us, the underwriters or the third parties described above may be effected from time to time in one or more transactions, including privately negotiated transactions, either:

- at a fixed price or prices, which may be changed;
- in an "at the market" offering within the meaning of Rule 415(a)(4) of the Securities Act of 1933, as amended, or the Securities Act;
- at prices related to such prevailing market prices; or
- at negotiated prices.

Only underwriters named in the prospectus supplement will be underwriters of the securities offered by the prospectus supplement.

Underwriters and Agents; Direct Sales

If underwriters are used in a sale, they will acquire the offered securities for their own account and may resell the offered securities from time to time in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale. We may offer the securities to the public through underwriting syndicates represented by managing underwriters or by underwriters without a syndicate.

Unless the prospectus supplement states otherwise, the obligations of the underwriters to purchase the securities will be subject to the conditions set forth in the applicable underwriting agreement. Subject to certain conditions, the underwriters will be obligated to purchase all of the securities offered by the prospectus supplement, other than securities covered by any over-allotment option. Any public offering price and any discounts or concessions allowed or re-allowed or paid to dealers may change from time to time. We may use underwriters with whom we have a material relationship. We will describe in the prospectus supplement, naming the underwriter, the nature of any such relationship.

We may sell securities directly or through agents we designate from time to time. We will name any agent involved in the offering and sale of securities, and we will describe any commissions we will pay the agent in the prospectus supplement. Unless the prospectus supplement states otherwise, our agent will act on a best-efforts basis for the period of its appointment.

We may authorize agents or underwriters to solicit offers by certain types of institutional investors to purchase securities from us at the public offering price set forth in the prospectus supplement pursuant to delayed delivery contracts providing for payment and delivery on a specified date in the future. We will describe the conditions to these contracts and the commissions we must pay for solicitation of these contracts in the prospectus supplement.

Dealers

We may sell the offered securities to dealers as principals. The dealer may then resell such securities to the public either at varying prices to be determined by the dealer or at a fixed offering price agreed to with us at the time of resale.

Institutional Purchasers

We may authorize agents, dealers or underwriters to solicit certain institutional investors to purchase offered securities on a delayed delivery basis pursuant to delayed delivery contracts providing for payment and delivery on a specified future date. The applicable prospectus supplement or other offering materials, as the case may be, will provide the details of any such arrangement, including the offering price and commissions payable on the solicitations.

We will enter into such delayed contracts only with institutional purchasers that we approve. These institutions may include commercial and savings banks, insurance companies, pension funds, investment companies and educational and charitable institutions.

Indemnification; Other Relationships

We may provide agents, underwriters, dealers and remarketing firms with indemnification against certain civil liabilities, including liabilities under the Securities Act, or contribution with respect to payments that the agents or underwriters may make with respect to these liabilities. Agents, underwriters, dealers and remarketing firms, and their affiliates, may engage in transactions with, or perform services for, us in the ordinary course of business. This includes commercial banking and investment banking transactions.

Market-Making; Stabilization and Other Transactions

There is currently no market for any of the offered securities, other than our common stock, which is quoted on the Nasdaq Capital Market. If the offered securities are traded after their initial issuance, they may trade at a discount from their initial offering price, depending upon prevailing interest rates, the market for similar securities and other factors. While it is possible that an underwriter could inform us that it intends to make a market in the offered securities, such underwriter would not be obligated to do so, and any such market-making could be discontinued at any time without notice. Therefore, no assurance can be given as to whether an active trading market will develop for the offered securities. We have no current plans for listing of the preferred stock, warrants or units on any securities exchange or quotation system; any such listing with respect to any particular preferred stock, warrants or units will be described in the applicable prospectus supplement or other offering materials, as the case may be.

Any underwriter may engage in over-allotment, stabilizing transactions, short-covering transactions and penalty bids in accordance with Regulation M under the Securities Exchange Act of 1934, as amended, or the Exchange Act. Over-allotment involves sales in excess of the offering size, which create a short position. Stabilizing transactions permit bids to purchase the underlying security so long as the stabilizing bids do not exceed a specified maximum price. Syndicate-covering or other short-covering transactions involve purchases of the securities, either through exercise of the over-allotment option or in the open market after the distribution is completed, to cover short positions. Penalty bids permit the underwriters to reclaim a selling concession from a dealer when the securities originally sold by the dealer are purchased in a stabilizing or covering transaction to cover short positions. Those activities may cause the price of the securities to be higher than it would otherwise be. If commenced, the underwriters may discontinue any of the activities at any time.

Any underwriters or agents that are qualified market makers on the Nasdaq Capital Market may engage in passive market making transactions in our common stock on the Nasdaq Capital Market in accordance with Regulation M under the Exchange Act, during the business day prior to the pricing of the offering, before the commencement of offers or sales of our common stock. Passive market makers must comply with applicable volume and price limitations and must be identified as passive market makers. In general, a passive market maker must display its bid at a price not in excess of the highest independent bid for such security; if all independent bids are lowered below the passive market maker's bid, however, the passive market maker's bid must then be lowered when certain purchase limits are exceeded. Passive market making may stabilize the market price of the securities at a level above that which might otherwise prevail in the open market and, if commenced, may be discontinued at any time.

Fees and Commissions

If 5% or more of the net proceeds of any offering of securities made under this prospectus will be received by a FINRA member participating in the offering or affiliates or associated persons of such FINRA member, the offering will be conducted in accordance with FINRA Rule 5121.

DESCRIPTION OF SECURITIES WE MAY OFFER

General

This prospectus describes the general terms of our capital stock. The following description is not complete and may not contain all the information you should consider before investing in our capital stock. For a more detailed description of these securities, you should read the applicable provisions of Delaware law and our certificate of incorporation, as amended, referred to herein as our certificate of incorporation, and our amended and restated bylaws, referred to herein as our bylaws. When we offer to sell a particular series of these securities, we will describe the specific terms of the series in a supplement to this prospectus. Accordingly, for a description of the terms of any series of securities, you must refer to both the prospectus supplement relating to that series and the description of the securities described in this prospectus. To the extent the information contained in the prospectus supplement differs from this summary description, you should rely on the information in the prospectus supplement.

The total number of shares of capital stock we are authorized to issue is 24,020,000 shares, of which (a) 24,000,000 are common stock and (b) 20,000 are blank check preferred stock.

We, directly or through agents, dealers or underwriters designated from time to time, may offer, issue and sell, together or separately, up to \$24,000,000 in the aggregate of:

- common stock;
- preferred stock;
- warrants to purchase our securities offered hereby; or
- units comprised of, or other combinations of, the foregoing securities.

When a particular series of securities is offered, a supplement to this prospectus will be delivered with this prospectus, which will set forth the terms of the offering and sale of the offered securities.

Common Stock

As of October 12, 2017, there were 16,558,739 shares of common stock issued and outstanding, held of record by approximately 311 stockholders. Subject to preferential rights with respect to any outstanding preferred stock, all outstanding shares of common stock are of the same class and have equal rights and attributes.

Dividend Rights

Holders of the common stock may receive dividends when, as and if declared by our board of directors out of the assets legally available for that purpose and subject to the preferential dividend rights of any other classes or series of stock of our Company. We have never paid, and have no plans to pay, any dividends on our shares of common stock.

Voting Rights

Holders of the common stock are entitled to one vote per share in all matters as to which holders of common stock are entitled to vote. Holders of not less than a majority of the outstanding shares of common stock entitled to vote at any meeting of stockholders constitute a quorum unless otherwise required by law.

Election of Directors

Directors hold office until the next annual meeting of stockholders and are eligible for re-election at such meeting. Directors are elected by a plurality of the shares present in person or represented by proxy at the meeting and entitled to vote on the election of directors. There is no cumulative voting for directors.

Liquidation

In the event of any liquidation, dissolution or winding up of the Company, holders of the common stock have the right to receive ratably and equally all of the assets remaining after payment of liabilities and liquidation preferences of any preferred stock then outstanding.

Redemption

The common stock is not redeemable or convertible and does not have any sinking fund provisions.

Preemptive Rights

Holders of the common stock do not have preemptive rights.

Other Rights

Our common stock is not liable to further calls or to assessment by the registrant and for liabilities of the registrant imposed on its stockholders under state statutes.

Right to Amend Bylaws

The board of directors has the power to adopt, amend or repeal the bylaws. Bylaws adopted by the board of directors may be repealed or changed, and new bylaws made, by the stockholders, and the stockholders may prescribe that any bylaw made by them shall not be altered, amended or repealed by the board of directors.

Change in Control

Provisions of Delaware law and our certificate of incorporation and bylaws could make the acquisition of our company by means of a tender offer, proxy contest or otherwise, and the removal of incumbent officers and directors, more difficult. These provisions include:

Section 203 of the DGCL, which prohibits a merger with a 15%-or-greater stockholder, such as a party that has completed a successful tender offer, until three years after that party became a 15%-or-greater stockholder;

The authorization in our certificate of incorporation of undesignated preferred stock, which could be issued without stockholder approval in a manner designed to prevent or discourage a takeover; and

Provisions in our bylaws regarding stockholders' rights to call a special meeting of stockholders limit such rights to stockholders holding together at least a majority of shares of the Company entitled to vote at the meeting, which could make it more difficult for stockholders to wage a proxy contest for control of our board of directors or to vote to repeal any of the anti-takeover provisions contained in our certificate of incorporation and bylaws.

Together, these provisions may make the removal of management more difficult and may discourage transactions that could otherwise involve payment of a premium over prevailing market prices for our common stock.

Market, Symbol and Transfer Agent

Our common stock is listed for trading on the Nasdaq Capital Market under the symbol "ITUS". The transfer agent and registrar for our common stock is American Stock Transfer and Trust Company.

Preferred Stock

Our certificate of incorporation empowers our board of directors, without action by our shareholders, to issue up to 20,000 shares of blank check preferred stock from time to time in one or more series, which preferred stock may be offered by this prospectus and supplements thereto. As of October 12, 2017, 140 shares of Series A convertible preferred stock, the Series A preferred stock, were designated and 0 shares of Series A preferred stock was outstanding.

We will fix the rights, preferences, privileges and restrictions of the preferred stock of each series in the certificate of designation relating to that series. We will file as an exhibit to the registration statement of which this prospectus is a part, or will incorporate by reference from a current report on Form 8-K that we file with the SEC, the form of any certificate of designation that describes the terms of the series of preferred stock we are offering before the issuance of the related series of preferred stock. This description will include any or all of the following, as required:

- the title and stated value;
- the number of shares we are offering;
- the liquidation preference per share;
- the purchase price;
- the dividend rate, period and payment date and method of calculation for dividends;
- whether dividends will be cumulative or non-cumulative and, if cumulative, the date from which dividends will accumulate;
- any contractual limitations on our ability to declare, set aside or pay any dividends;
- the procedures for any auction and remarketing, if any;

- the provisions for a sinking fund, if any;
- the provisions for redemption or repurchase, if applicable, and any restrictions on our ability to exercise those redemption and repurchase rights;
- any listing of the preferred stock on any securities exchange or market;
- whether the preferred stock will be convertible into our common stock, and, if applicable, the conversion price, or how it will be calculated, and the conversion period;
- whether the preferred stock will be exchangeable into debt securities, and, if applicable, the exchange price, or how it will be calculated, and the exchange period;
- voting rights, if any, of the preferred stock;
- preemptive rights, if any;
- restrictions on transfer, sale or other assignment, if any;
- whether interests in the preferred stock will be represented by depositary shares;
- a discussion of any material or special United States federal income tax considerations applicable to the preferred stock;
- the relative ranking and preferences of the preferred stock as to dividend rights and rights if we liquidate, dissolve or wind up our affairs;
- any limitations on issuance of any class or series of preferred stock ranking senior to or on a parity with the series of preferred stock as to dividend rights and rights if we liquidate, dissolve or wind up our affairs; and
- any other specific terms, preferences, rights or limitations of, or restrictions on, the preferred stock.

If we issue shares of preferred stock under this prospectus, after receipt of payment therefor, the shares will be fully paid and non-assessable.

The Delaware General Corporation Law provides that the holders of preferred stock will have the right to vote separately as a class on any proposal involving fundamental changes in the rights of holders of that preferred stock. This right is in addition to any voting rights provided for in the applicable certificate of designation.

Our board of directors may authorize the issuance of preferred stock with voting or conversion rights that could adversely affect the voting power or other rights of the holders of our common stock. Preferred stock could be issued quickly with terms designed to delay or prevent a change in control of our Company or make removal of management more difficult. Additionally, the issuance of preferred stock could have the effect of decreasing the market price of our common stock.

Series A Convertible Preferred Stock

Conversion

The Series A preferred stock is convertible into shares of common stock at any time following issuance at the option of the holder (subject to certain limitations described below). Each share of Series A preferred stock is convertible into approximately 5,285.4 shares of common stock pursuant to the terms of the Certificate of Designations, Preferences and Rights of Series A Convertible Preferred Stock, or the Certificate of Designations. Such ratio is calculated by dividing the stated value of each share of Series A preferred stock (\$25,000) by \$4.73.

Ranking; Dividends

The Company may not, directly or indirectly, incur any indebtedness or create a new class of equity that is expressly senior in right of payment to the Series A preferred stock without prior written consent of at least two-thirds of the outstanding Series A preferred stock holders. The Series A preferred stock holders are not entitled to receive cash dividends. In the event that the Company declares a stock dividend or otherwise makes a distribution to the common stock holders, the terms of the Series A preferred stock will be adjusted proportionately so that the holder after such dividend or distribution will be entitled to receive the aggregate number and kind of shares, evidences, rights, options, warrants or securities which, the holder would have owned if the Series A preferred stock had been converted immediately prior to the time of the distribution.

Subsequent Equity Sales

In the event that the Company issues additional shares of common stock and/or any rights, warrants, options or other securities or debt convertible, exercisable or exchangeable for shares of common stock or otherwise entitling any person to acquire shares of common stock in connection with a financing pursuant to which the effective net price to the Company for such securities, or the Effective Price, is less than 75% of the then conversion price, then subject to certain exceptions set forth in the Certificate of Designations, the conversion price will be reduced to the Effective Price.

Maximum Conversion

The Company will not effect any conversion of the Series A preferred stock if after giving effect to such conversion, the holder, together with any affiliate thereof, would beneficially own (as determined in accordance with Section 13(d) of the Exchange Act) on an as-converted basis with the common stock in excess of 4.99%, or the Maximum Percentage, of the number of shares of common stock outstanding immediately after giving effect to such conversion. A holder may increase the Maximum Percentage by providing written notice to the Company of its intention to exceed the Maximum Percentage at a time no earlier than 60 days after such notice.

Board and Observer Rights

For so long as any holder of Series A preferred stock beneficially owns at least 2,000,000 shares of common stock, such holder has the right to designate one representative, reasonably acceptable to the Company as a board observer, to the Company's board of directors. In lieu of the right to designate an observer to the board of directors, the holder may designate one representative, reasonably acceptable to the Company, to serve on the board of directors.

Redemption; Mandatory Conversion

Upon at least 60 days prior written notice to the Company, on November 11, 2016, any holder of Series A preferred stock has a one-time right to require the Company to redeem all or some of its shares of Series A preferred stock for cash that is specifically generated from the sale of the Company's equity securities. The redemption price per share is equal to the "stated value."

After November 11, 2016, the Company has the right to convert any outstanding shares of Series A preferred stock into shares of common stock, subject to certain volume restrictions, if the average of the high and low trading price of the common stock for any 10 out of 20 consecutive trading days exceeds the then conversion price.

Liquidation Preference

In the event of a liquidation, dissolution or winding up of the Company, then the holders of the Series A preferred stock are entitled to receive out of the assets of the Company legally available for distribution, prior to and in preference to distributions to the holders of common stock and either in preference to or pari passu with the holders of any other series of preferred stock that may be issued in the future, an amount equal to the "stated value" of the Series A preferred stock. The remaining assets of the Company will then be distributed to the holders of the Series A preferred stock and the holders of the common stock on an as converted basis.

Other Provisions

This section is a summary and may not describe every aspect of the common stock and Series A preferred stock that may be important to you. We urge you to read applicable Delaware law, our certificate of incorporation, including the Certificate of Designations, and bylaws, because they, and not this description, define your rights as a holder of common stock.

Warrants

We may issue warrants to purchase any of the securities offered hereby. Warrants may be issued independently or together with any other securities that may be sold by us pursuant to this prospectus or any combination of the foregoing and may be attached to, or separate from, such securities. To the extent warrants that we issue are to be publicly-traded, each series of such warrants will be issued under a separate warrant agreement to be entered into between us and a warrant agent.

We will file as exhibits to the registration statement of which this prospectus is a part, or will incorporate by reference from a current report on Form 8-K that we file with the SEC, forms of the warrant and warrant agreement, if any. The prospectus supplement relating to any warrants that we may offer will contain the specific terms of the warrants and a description of the material provisions of the applicable warrant agreement, if any. These terms may include the following:

- the title of the warrants;
- the price or prices at which the warrants will be issued;
- the designation, amount and terms of the securities for which the warrants are exercisable;
- the designation and terms of the other securities, if any, with which the warrants are to be issued and the number of warrants issued with each other security;
- the aggregate number of warrants;

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- any provisions for adjustment of the number or amount of securities receivable upon exercise of the warrants or the exercise price of the warrants;
- the price or prices at which the securities purchasable upon exercise of the warrants may be purchased;
- if applicable, the date on and after which the warrants and the securities purchasable upon exercise of the warrants will be separately transferable;
- a discussion of any material U.S. federal income tax considerations applicable to the exercise of the warrants;
- the date on which the right to exercise the warrants will commence, and the date on which the right will expire;
- the maximum or minimum number of warrants that may be exercised at any time;
- information with respect to book-entry procedures, if any; and
- any other terms of the warrants, including terms, procedures and limitations relating to the exchange and exercise of the warrants.

Exercise of Warrants. Each warrant will entitle the holder of warrants to purchase the amount of securities at the exercise price stated or determinable in the prospectus supplement for the warrants. Warrants may be exercised at any time up to the close of business on the expiration date shown in the applicable prospectus supplement, unless otherwise specified in such prospectus supplement. After the close of business on the expiration date, if applicable, unexercised warrants will become void. Warrants may be exercised in the manner described in the applicable prospectus supplement. When the warrant holder makes the payment and properly completes and signs the warrant certificate at the corporate trust office of the warrant agent, if any, or any other office indicated in the prospectus supplement, we will, as soon as possible, forward the securities that the warrant holder has purchased. If the warrant holder exercises less than all of the warrants represented by the warrant certificate, we will issue a new warrant certificate for the remaining warrants.

Units

We may issue units consisting of any combination of the other types of securities offered under this prospectus in one or more series. We may evidence each series of units by unit certificates that we may issue under a separate agreement. We may enter into unit agreements with a unit agent. Each unit agent, if any, may be a bank or trust company that we select. We will indicate the name and address of the unit agent, if any, in the applicable prospectus supplement relating to a particular series of units. Specific unit agreements, if any, will contain additional important terms and provisions. We will file as an exhibit to the registration statement of which this prospectus is a part, or will incorporate by reference from a current report that we file with the SEC, the form of unit and the form of each unit agreement, if any, relating to units offered under this prospectus.

If we offer any units, certain terms of that series of units will be described in the applicable prospectus supplement, including, without limitation, the following, as applicable

- the title of the series of units;
- identification and description of the separate constituent securities comprising the units;
- the price or prices at which the units will be issued;
- the date, if any, on and after which the constituent securities comprising the units will be separately transferable;
- a discussion of certain United States federal income tax considerations applicable to the units; and
- any other material terms of the units and their constituent securities.

FORMS OF SECURITIES

Each security may be represented either by a certificate issued in definitive form to a particular investor or by one or more global securities representing the entire issuance of securities. Certificated securities in definitive form and global securities will be issued in registered form. Definitive securities name you or your nominee as the owner of the security, and in order to transfer or exchange these securities or to receive payments other than interest or other interim payments, you or your nominee must physically deliver the securities to the registrar, paying agent or other agent, as applicable. Global securities name a depositary or its nominee as the owner of the warrants or units represented by these global securities. The depositary maintains a computerized system that will reflect each investor's beneficial ownership of the securities through an account maintained by the investor with its broker/dealer, bank, trust company or other representative, as we explain more fully below.

Registered Global Securities

We may issue the securities in the form of one or more fully registered global securities that will be deposited with a depositary or its nominee identified in the applicable prospectus supplement and registered in the name of that depositary or nominee. In those cases, one or more registered global securities will be issued in a denomination or aggregate denominations equal to the portion of the aggregate principal or face amount of the securities to be represented by registered global securities. Unless and until it is exchanged in whole for securities in definitive registered form, a registered global security may not be transferred except as a whole by and among the depositary for the registered global security, the nominees of the depositary or any successors of the depositary or those nominees.

The specific terms of the depositary arrangement with respect to any securities to be represented by a registered global security will be described in the prospectus supplement relating to those securities. We anticipate that the following provisions will apply to all depositary arrangements.

Ownership of beneficial interests in a registered global security will be limited to persons, called participants, that have accounts with the depositary or persons that may hold interests through participants. Upon the issuance of a registered global security, the depositary will credit, on its book-entry registration and transfer system, the participants' accounts with the respective principal or face amounts of the securities beneficially owned by the participants. Any dealers, underwriters or agents participating in the distribution of the securities will designate the accounts to be credited. Ownership of beneficial interests in a registered global security will be shown on, and the transfer of ownership interests will be effected only through, records maintained by the depositary, with respect to interests of participants, and on the records of participants, with respect to interests of persons holding through participants. The laws of some states may require that some purchasers of securities take physical delivery of these securities in definitive form. These laws may impair your ability to own, transfer or pledge beneficial interests in registered global securities.

So long as the depositary, or its nominee, is the registered owner of a registered global security, that depositary or its nominee, as the case may be, will be considered the sole owner or holder of the securities represented by the registered global security for all purposes under the applicable indenture, warrant agreement or unit agreement.

Except as described below, owners of beneficial interests in a registered global security will not be entitled to have the securities represented by the registered global security registered in their names, will not receive or be entitled to receive physical delivery of the securities in definitive form and will not be considered the owners or holders of the securities under the applicable indenture, warrant agreement or unit agreement. Accordingly, each person owning a beneficial interest in a registered global security must rely on the procedures of the depositary for that registered global security and, if that person is not a participant, on the procedures of the participant through which the person owns its interest, to exercise any rights of a holder under the applicable indenture, warrant agreement or unit agreement. We understand that under existing industry practices, if we request any action of holders or if an owner of a beneficial interest in a registered global security desires to give or take any action that a holder is entitled to give or take under the applicable indenture, warrant agreement or unit agreement, the depositary for the registered global security would authorize the participants holding the relevant beneficial interests to give or take that action, and the participants would authorize beneficial owners owning through them to give or take that action or would otherwise act upon the instructions of beneficial owners holding through them.

Payments to holders with respect to securities represented by a registered global security registered in the name of a depositary or its nominee will be made to the depositary or its nominee, as the case may be, as the registered owner of the registered global security. None of the Company, the warrant agents, the unit agents or any other agent of the Company, agent of the warrant agents or unit agents will have any responsibility or liability for any aspect of the records relating to payments made on account of beneficial ownership interests in the registered global security or for maintaining, supervising or reviewing any records relating to those beneficial ownership interests.

We expect that the depositary for any of the securities represented by a registered global security, upon receipt of any payment of principal, premium, interest or other payment or distribution to holders of that registered global security, will immediately credit participants' accounts in amounts proportionate to their respective beneficial interests in that registered global security as shown on the records of the depositary. We also expect that payments by participants to owners of beneficial interests in a registered global security held through participants will be governed by standing customer instructions and customary practices, as is now the case with the securities held for the accounts of customers or registered in "street name," and will be the responsibility of those participants.

If the depositary for any of these securities represented by a registered global security is at any time unwilling or unable to continue as depositary or ceases to be a clearing agency registered under the Exchange Act and a successor depositary registered as a clearing agency under the Exchange Act is not appointed by us within 90 days, we will issue securities in definitive form in exchange for the registered global security that had been held by the depositary. Any securities issued in definitive form in exchange for a registered global security will be registered in the name or names that the depositary gives to the relevant warrant agent, unit agent or other relevant agent of ours or theirs. It is expected that the depositary's instructions will be based upon directions received by the depositary from participants with respect to ownership of beneficial interests in the registered global security that had been held by the depositary.

LEGAL MATTERS

Unless otherwise indicated in the applicable prospectus supplement, the validity of the securities offered by this prospectus will be passed upon for us by Ellenoff Grossman & Schole LLP, New York, New York. If legal matters in connection with offerings made by this prospectus are passed on by counsel for the underwriters, dealers or agents, if any, that counsel will be named in the applicable prospectus supplement.

EXPERTS

The consolidated financial statements of ITUS Corporation and subsidiaries as of and for the years ended October 31, 2016 and 2015 have been incorporated by reference in the registration statement in reliance upon the report of Haskell & White LLP, independent registered public accounting firm, and upon the authority of said firm as experts in accounting and auditing.

WHERE YOU CAN FIND ADDITIONAL INFORMATION

We file annual, quarter and periodic reports, proxy statements and other information with the Securities and Exchange Commission using the Commission's EDGAR system. You may inspect these documents and copy information from them at the Commission's offices at public reference room at 100 F Street, NE, Washington, D.C. 20549. You may obtain information on the operation of the public reference room by calling the SEC at 1-800-SEC-0330. The Commission maintains a web site that contains reports, proxy and information statements and other information regarding registrants that file electronically with the Commission. The address of such site is <http://www.sec.gov>.

INCORPORATION OF DOCUMENTS BY REFERENCE

We are "incorporating by reference" in this prospectus certain documents we file with the SEC, which means that we can disclose important information to you by referring you to those documents. The information in the documents incorporated by reference is considered to be part of this prospectus. Statements contained in documents that we file with the SEC and that are incorporated by reference in this prospectus will automatically update and supersede information contained in this prospectus, including information in previously filed documents or reports that have been incorporated by reference in this prospectus, to the extent the new information differs from or is inconsistent with the old information. We have filed or may file the following documents with the SEC and they are incorporated herein by reference as of their respective dates of filing.

1. Our Annual Report on Form 10-K for the year ended October 31, 2016, filed with the SEC on December 7, 2016, as amended on Form 10-K/A and filed with the SEC on December 8, 2016;
2. Our Quarterly Reports on Form 10-Q for the quarters ended January 31, 2017, April 30, 2017 and July 31, 2017, as filed with the SEC on March 16, 2017, May 26, 2017 and September 8, 2017, respectively;
3. Our Definitive Proxy Statement on Schedule 14A filed with the SEC on August 8, 2017;
4. Our Current Reports on Form 8-K filed with the SEC on December 7, 2016, March 8, 2017, April 13, 2017, May 17, 2017, July 12, 2017, July 21, 2017, August 18, 2017, August 24, 2017, September 27, 2017, September 29, 2017 and October 3, 2017; and
5. The description of our common stock contained in our Current Report on Form 8-K filed on March 31, 2014 and as it may further be amended from time to time.

All documents that we filed with the SEC pursuant to Sections 13(a), 13(c), 14, and 15(d) of the Exchange Act subsequent to the date of this registration statement and prior to the filing of a post-effective amendment to this registration statement that indicates that all securities offered under this prospectus have been sold, or that deregisters all securities then remaining unsold, will be deemed to be incorporated in this registration statement by reference and to be a part hereof from the date of filing of such documents.

Any statement contained in a document incorporated or deemed to be incorporated by reference in this prospectus shall be deemed modified, superseded or replaced for purposes of this prospectus to the extent that a statement contained in this prospectus, or in any subsequently filed document that also is deemed to be incorporated by reference in this prospectus, modifies, supersedes or replaces such statement. Any statement so modified, superseded or replaced shall not be deemed, except as so modified, superseded or replaced, to constitute a part of this prospectus. None of the information that we disclose under Items 2.02 or 7.01 of any Current Report on Form 8-K or any corresponding information, either furnished under Item 9.01 or included as an exhibit therein, that we may from time to time furnish to the SEC will be incorporated by reference into, or otherwise included in, this prospectus, except as otherwise expressly set forth in the relevant document. Subject to the foregoing, all information appearing in this prospectus is qualified in its entirety by the information appearing in the documents incorporated by reference.

You may requests, orally or in writing, a copy of these documents, which will be provided to you at no cost (other than exhibits, unless such exhibits are specifically incorporate by reference), by contacting Dr. Amit Kumar, c/o ITUS Corporation, at 3150 Almaden Expressway, Suite 250, San Jose, CA 95118. Our telephone number is (408) 708-9808. Information about us is also available at our website at <http://www.ITUScorp.com>. However, the information in our website is not a part of this prospectus and is not incorporated by reference.

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution.

The Company is paying all expenses of the offering. The following table sets forth all expenses to be paid by the registrant. All amounts shown are estimates except for the registration fee.

SEC registration fee	\$	2,988.00
Printing		*
Legal fees and expenses	\$	15,000.00
Accounting fees and expenses	\$	2,500.00
Warrant Agent Fees and Expenses		*
Miscellaneous		*
Total	\$	20,488.00

* These fees are calculated based on the securities offered and the number of issuances and accordingly cannot be estimated at this time. The applicable prospectus supplement will set forth the estimated amount of expenses of any offering of securities.

Item 15. Indemnification of Directors and Officers.

Under Section 145 of the DGCL, a corporation may indemnify its directors, officers, employees and agents and its former directors, officers, employees and agents and those who serve, at the corporation's request, in such capacities with another enterprise, against expenses (including attorney's fees), as well as judgments, fines and settlements, actually and reasonably incurred in connection with the defense of any action, suit or proceeding (other than an action by or in the right of the corporation) in which they or any of them were or are made parties or are threatened to be made parties by reason of their serving or having served in such capacity. The DGCL provides, however, that such person must have acted in good faith and in a manner he or she reasonably believed to be in (or not opposed to) the best interests of the corporation and, in the case of a criminal action, such person must have had no reasonable cause to believe his or her conduct was unlawful. In addition, the DGCL does not permit indemnification in an action or suit by or in the right of the corporation, where such person has been adjudged liable to the corporation for negligence or misconduct in the performance of his/her duty to the corporation, unless, and only to the extent that, a court determines that such person fairly and reasonably is entitled to indemnity for costs the court deems proper in light of liability adjudication. Indemnity is mandatory to the extent a claim, issue or matter has been successfully defended.

Section 102(b)(7) of the DGCL permits a corporation to include in its certificate of incorporation a provision eliminating or limiting the personal liability of a director to the corporation or its shareholders for monetary damages for breach of fiduciary duty as a director, provided that such provision shall not eliminate or limit the liability of a director (i) for any breach of the director's duty of loyalty to the corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) under Section 174 of the DGCL (relating to unlawful payment of dividends and unlawful stock purchase or redemption) or (iv) for any transaction from which the director derived an improper personal benefit.

Article XIII of the bylaws of the Company contains provisions which are designed to provide mandatory indemnification of directors and officers of the Company to the full extent permitted by law, as now in effect or later amended. The bylaws further provide that, if and to the extent required by the DGCL, an advance payment of expenses to a director or officer of the Company that is entitled to indemnification will only be made upon delivery to the Company of an undertaking, by or on behalf of the director or officer, to repay all amounts so advanced if it is ultimately determined that such director is not entitled to indemnification.

Item 16. Exhibits.

The following exhibits are filed with this Registration Statement.

The agreements included or incorporated by reference as exhibits to this registration statement contain representations and warranties by each of the parties to the applicable agreement. These representations and warranties were made solely for the benefit of the other parties to the applicable agreement and (i) were not intended to be treated as categorical statements of fact, but rather as a way of allocating the risk to one of the parties if those statements prove to be inaccurate; (ii) may have been qualified in such agreement by disclosures that were made to the other party in connection with the negotiation of the applicable agreement; (iii) may apply contract standards of "materiality" that are different from "materiality" under the applicable securities laws; and (iv) were made only as of the date of the applicable agreement or such other date or dates as may be specified in the agreement.

The undersigned registrant acknowledges that, notwithstanding the inclusion of the foregoing cautionary statements, it is responsible for considering whether additional specific disclosures of material information regarding material contractual provisions are required to make the statements in this registration statement not misleading.

Exhibit Number	Description of Document
1.1	Form of Underwriting Agreement**
4.1	Form of Certificate of Designation of Preferred Stock**
4.2	Form of Warrant Agreement and Form of Warrant Certificate**
5.1	Opinion of Ellenoff Grossman & Schole LLP*
23.1	Consent of Haskell & White LLP*
23.2	Consent of Ellenoff Grossman & Schole LLP (included in Exhibit 5.1)*
24.1	Power of Attorney (included in Part II of this Registration Statement)*

* Filed herewith.

** If applicable, to be filed by an amendment or as an exhibit to a report pursuant to section 13(a) or section 15(d) of the Exchange Act and incorporated by reference

Item 17. Undertakings.

(a) The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) to include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) to reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and

(iii) to include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that paragraphs (1)(i), (1)(ii) and (1)(iii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

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(5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

(iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability of the registrant under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act of 1933 and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of San Jose, State of California on this 13th day of October, 2017.

ITUS CORPORATION

Dated: October 13, 2017

By: /s/ Dr. Amit Kumar
Dr. Amit Kumar
President and Chief Executive Officer

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Dr. Amit Kumar his true and lawful attorney-in-fact, with full power of substitution and resubstitution for him and in his name, place and stead, in any and all capacities to sign any and all amendments including post-effective amendments to this registration statement, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the SEC, hereby ratifying and confirming all that said attorney-in-fact or his substitute, each acting alone, may lawfully do or cause to be done by virtue thereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated below.

By: /s/ Dr. Amit Kumar October 13, 2017
Dr. Amit Kumar
President, Chief Executive Officer, and Chairman of the Board
(Principal Executive Officer)

By: /s/ Michael J. Catelani October 13, 2017
Michael J. Catelani
Chief Financial Officer and Chief Operating Officer
(Principal Financial and Accounting Officer)

By: /s/ Lewis H. Titterton Jr. October 13, 2017
Lewis H. Titterton Jr.
Director

By: /s/ Dr. John Monahan October 13, 2017
Dr. John Monahan
Director

By: /s/ Richard H. Williams October 13, 2017
Richard H. Williams
Director

By: /s/ Bruce F. Johnson October 13, 2017
Bruce F. Johnson
Director

October 13, 2017

ITUS Corporation
3150 Almaden Expressway, Suite 250
San Jose, CA 95118

Re: Registration Statement on Form S-3

Ladies and Gentlemen:

We have acted as counsel to ITUS Corporation, a Delaware corporation (the "Company"), in connection with the preparation of a registration statement on Form S-3 (the "Registration Statement"), filed by the Company with the Securities and Exchange Commission (the "Commission") pursuant to the Securities Act of 1933, as amended (the "Securities Act"), relating to the offer and sale from time to time by the Company of up to a maximum of \$24,000,000 aggregate initial offering price of a presently indeterminate amount of the following securities (each a "Company Security" and collectively, or in any combination, the "Company Securities"):

- (i) shares of the Company's common stock, \$0.01 par value per share (the "Common Stock");
- (ii) one or more classes or series of shares of the Company's preferred stock, \$100.00 par value per share (the "Preferred Stock");
- (iii) warrants to purchase common stock, preferred stock, other securities offered in the Registration Statement or any combination of those securities; or
- (iv) units consisting of any combination of the foregoing securities.

The Company Securities may be issued and sold by the Company pursuant to applicable provisions of Rule 415 under the Securities Act, in amounts, at prices and on terms to be determined in light of market conditions at the time of sale, and as set forth in the Registration Statement, any amendment thereto, the prospectus contained therein (the "Prospectus") and any supplements to the Prospectus (each, a "Prospectus Supplement"). The Company Securities may be issued from time to time on a delayed or continuous basis, and this opinion is limited to the laws, including the rules and regulations, as in effect on the date hereof, which laws are subject to change with possible retroactive effect.

You have requested our opinion as to the matters set forth below in connection with the Registration Statement. For purposes of rendering the opinions set forth below, we have examined (i) the Registration Statement, including the exhibits filed therewith, (ii) the Prospectus, (iii) the Company's certificate of incorporation, as amended (the "Certificate of Incorporation"), (iv) the Company's bylaws, as amended (the "Bylaws"), (v) the corporate resolutions and other actions of the Company that authorize and provide for the filing of the Registration Statement, and we have made such other investigation as we have deemed appropriate. We have not independently established any of the facts so relied on.

For purposes of this opinion letter, we have assumed the accuracy and completeness of each document submitted to us, the genuineness of all signatures on original documents, the authenticity of all documents submitted to us as originals, the conformity to original documents of all documents submitted to us as facsimile, electronic, certified, conformed or photostatic copies thereof, and the due execution and delivery of all documents where due execution and delivery are prerequisites to the effectiveness thereof. We have further assumed the legal capacity of natural persons, that persons identified to us as officers of the Company are actually serving in such capacity, that the representations of officers and employees of the Company are correct as to questions of fact, that the board of directors will have taken all action necessary to set the issuance price of the Company Securities to be offered and sold and that each party to the documents we have examined or relied on (other than the Company) has the power, corporate or other, to enter into and perform all obligations thereunder and also have assumed the due authorization by all requisite action, corporate or other, the execution and delivery by such parties of such documents, and the validity and binding effect thereof on such parties. We have not independently verified any of these assumptions.

The opinions expressed in this opinion letter are limited to the General Corporation Law of the State of Delaware (the "DGCL") and the applicable statutory provisions of the Delaware Constitution and the reported judicial decisions interpreting such statute and provisions and, solely in connection with the opinions given in numbered paragraphs 1 and 2 below. We are not opining on, and we assume no responsibility for, the applicability to or effect on any of the matters covered herein of (a) any other laws; (b) the laws of any other jurisdiction; or (c) the laws of any county, municipality or other political subdivision or local governmental agency or authority.

Based on the foregoing and in reliance thereon, and subject to the assumptions, qualifications, limitations and exceptions set forth below, we are of the opinion that:

1. With respect to shares of Common Stock, when (a) the board of directors of the Company has taken all necessary corporate action to approve the issuance and terms of the offering thereof and related matters, including without limitation the due reservation of any Common Stock for issuance, and (b) certificates representing the shares of Common Stock have been duly executed, countersigned, registered and delivered, in each case in accordance with the Certificate of Incorporation and Bylaws, either (i) in accordance with the applicable definitive purchase, underwriting or similar agreement approved by the board of directors of the Company upon payment of the consideration therefor (which consideration shall not be less than the par value of the Common Stock) provided for in such definitive purchase, underwriting or similar agreement, as applicable, or (ii) upon conversion, exchange or exercise of any other Company Security in accordance with the terms of such Company Security or the instrument governing such Company Security providing for the conversion, exchange or exercise as approved by the board of directors of the Company, for the consideration therefor set forth in the applicable agreement and approved by the board of directors of the Company, which consideration shall not be less than the par value of the Common Stock, such shares of Common Stock will be validly issued, fully paid, and non-assessable.

2. With respect to shares of any series of Preferred Stock, when (a) the board of directors of the Company has taken all necessary corporate action to approve the issuance and terms of the shares of such series, the terms of the offering thereof and related matters, including the adoption of a certificate of designation or amendment to the Certificate of Incorporation fixing and determining the terms of such Preferred Stock conforming to the DGCL, the filing of a certificate or amendment, as applicable, with the Secretary of State of Delaware, the payment in full of any filing fees attendant thereto, and the due reservation of any Common Stock and Preferred Stock for issuance, and (b) certificates representing the shares of such series of Preferred Stock have been duly executed, countersigned, registered and delivered, in each case in accordance with the Certificate of Incorporation and Bylaws, either (i) in accordance with the applicable definitive purchase, underwriting or similar agreement approved by the board of directors of the Company upon payment of the consideration therefor (which consideration shall not be less than the par value of the Preferred Stock) provided for in such definitive purchase, underwriting or similar agreement, as applicable, or (ii) upon conversion, exchange or exercise of any other Company Security in accordance with the terms of such Company Security or the instrument governing such Company Security providing for the conversion, exchange or exercise as approved by the board of directors of the Company, for the consideration therefor set forth in the applicable agreement and approved by the board of directors of the Company, which consideration shall not be less than the par value of the Preferred Stock, the shares of such series of Preferred Stock will be validly issued, fully paid, and non-assessable.

3. With respect to the issuance of any warrants, when (a) the board of directors of the Company has taken all necessary corporate action to approve the warrant agreement to be entered into in connection with the issuance of any warrants and such warrant agreement has been validly executed and delivered by the warrant agent and Company, (b) the board of directors of the Company has taken all necessary corporate action to approve the specific issuance and terms of any warrants duly established in accordance with the applicable warrant agreement and (c) such warrants have been duly executed, countersigned, registered, issued and delivered in accordance with the warrant agreement and the applicable definitive purchase, underwriting or similar agreement, as applicable, for the consideration therefor set forth in the applicable agreement and approved by the board of directors of the Company (assuming the securities issuable upon exercise of the warrants have been duly authorized and reserved for issuance by all necessary corporate action and in accordance with applicable law), such warrants will constitute valid and binding obligations of the Company, enforceable against the Company in accordance with their terms, subject to applicable bankruptcy, insolvency and similar laws affecting creditors' rights generally, concepts of reasonableness and equitable principles of general applicability.

4. With respect to the issuance of any units, when (a) the board of directors of the Company has taken all necessary corporate action to approve the unit agreement, if any, to be entered into in connection with the issuance of any units and such unit agreement, if any, has been validly executed and delivered by the unit agent, if any, and Company, (b) the board of directors of the Company has taken all necessary corporate action to approve the specific issuance and terms of any units duly established in accordance with the applicable unit agreement, if any, and (c) such units have been duly executed, countersigned, registered, issued and delivered in accordance with the unit agreement, if any, and the applicable definitive purchase, underwriting or similar agreement, as applicable, for the consideration therefor set forth in the applicable agreement and approved by the board of directors of the Company, such units will constitute valid and binding obligations of the Company, enforceable against the Company in accordance with their terms, subject to applicable bankruptcy, insolvency and similar laws affecting creditors' rights generally, concepts of reasonableness and equitable principles of general applicability.

The opinions set forth above are subject to the following additional assumptions:

(i) the Registration Statement, any amendments thereto (including post-effective amendments), will have been declared effective under the Securities Act and such effectiveness shall not have been terminated, suspended or rescinded;

(ii) all Company Securities will be issued and sold in compliance with applicable federal and state securities laws, rules and regulations and solely in the manner provided in the Registration Statement and the appropriate Prospectus Supplement and there will not have occurred any change in law or fact affecting the validity of any of the opinions rendered herein;

(iii) a definitive purchase, underwriting or similar agreement and any other necessary agreements with respect to any Company Securities offered or issued will have been duly authorized and duly executed and delivered by the Company and the other parties thereto;

(iv) the final terms of any of the Company Securities (including any Company Securities comprising the same or subject thereto), and when issued, the issuance, sale and delivery thereof by the Company, and the incurrence and performance of the Company's obligations thereunder or respect thereof in accordance with the terms thereof, and any consideration received by the Company for any such issuance, sale and delivery, will comply with, and will not violate, the Certificate of Incorporation or Bylaws or any applicable law, rule or regulation, or result in a default under or breach of any agreement or instrument binding upon the Company and will comply with any requirement or restriction imposed by any court or governmental body having jurisdiction over the Company or to which the issuance, sale and delivery of such Company Securities or the incurrence and performance of such obligations may be subject or violate any applicable public policy, or be subject to any defense in law or equity;

(v) the Company shall have taken any action required to be taken by the Company, based on the type of Company Security being offered, to authorize the offer and issuance thereof, and such authorization shall remain in effect and unchanged at all times during which the Company Securities are offered and issued and shall not have been modified or rescinded (subject to the further assumption that the sale of any Company Security takes place in accordance with such authorization), the board of directors of the Company shall have duly established the terms of such Company Security and duly authorized and taken any other necessary corporate action to approve the issuance and sale of such Company Security in conformity with the Certificate of Incorporation and Bylaws (subject to the further assumption that neither the Certificate of Incorporation nor Bylaws have been amended from the date hereof in a manner that would affect the validity of any of the opinions rendered herein), and such authorization shall remain in effect and unchanged at all times during which the Company Securities are offered and issued and shall not have been modified or rescinded (subject to the further assumption that the sale of any Company Security takes place in accordance with such authorization);

(vi) there will exist, under the Certificate of Incorporation, the requisite number of authorized but unissued shares of Common Stock or Preferred Stock (and securities of any class into which any of the Preferred Stock may be convertible), as the case may be; and

(vii) to the extent they purport to relate to liabilities resulting from or based upon gross negligence, recklessness or other conduct committed or omitted willfully or in bad faith or any violation of federal or state securities or blue sky laws, we express no opinions concerning the enforceability of indemnification provisions.

The opinions above are subject to the effects of (i) bankruptcy, insolvency, fraudulent conveyance, fraudulent transfer, reorganization, receivership, moratorium and other similar laws relating to or affecting enforcement of creditors' rights or remedies generally, (ii) general principles of equity, whether such principles are considered in a proceeding of law or at equity, and (iii) an implied covenant of good faith, reasonableness and fair dealing and standards of materiality.

This opinion is limited to the Delaware General Corporation Law, including the statutory provisions of the Delaware General Corporation Law and all applicable provisions of the Delaware Constitution and reported judicial decisions interpreting these laws. We hereby consent to the filing of this opinion as an exhibit to the Registration Statement and to the use of our name under the caption “Legal Matters” in the Prospectus. In giving our consent, we do not thereby admit that we are experts with respect to any part of the Registration Statement, the Prospectus or any Prospectus Supplement within the meaning of the term “expert,” as used in Section 11 of the Securities Act or the rules and regulations promulgated thereunder by the Commission, nor do we admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations thereunder.

Yours truly,

/s/ Ellenoff Grossman & Schole LLP

Ellenoff Grossman & Schole LLP

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in this Registration Statement on Form S-3 of ITUS Corporation (the “Company”) of our report dated December 7, 2016, relating to our audits of the Company’s consolidated financial statements as of October 31, 2016 and 2015, and for each of the years ended October 31, 2016 and 2015, included in the Company’s Annual Report on Form 10-K, and as amended on Form 10-K/A, for the year ended October 31, 2016. Our report dated December 7, 2016, contains an explanatory paragraph that states that the Company has limited working capital and limited revenue-generating operations and a history of net losses and net operating cash flow deficits. These conditions raise substantial doubt about the Company’s ability to continue as a going concern. The consolidated financial statements do not include any adjustments that might result from the outcome of these uncertainties. We also consent to the reference to us under the heading “Experts” in this Registration Statement.

/s/ Haskell & White LLP

Irvine, California
October 13, 2017